Form PTC 449

Docket Number: CERUS-408.11

Application Number: 10/051,976

Applicant: Derek J. Hei

(Use several sheets if necessary)

Filing Date: January 16, 2002

Group Art Unit: NYA

			U.S. I	PATENT DOCUMENTS			
Examiner Initials	Ref. No.	Date	Patent No.	Name	Class	Subclass	Filing Date If Appropriate
an	1	02/21/89	RE 32,874	Rock et al.			
an	_2.	04/24/73	3,729,457	Davankov et al.			
an	3.	12/20/77	4,064,042	Kunin			-051/50
an	4.	11/07/78	4,124,598	Hearst et al.		R	ECEIVED
on	- 5.	06/12/79	4,157,723	Granzow et al.			
sur	_6.	07/03/79	4,160,059	Samejima		J	UN 1 9 2002
an	7.	09/25/79	4,169,204	Hearst et al.			
m	_8	04/01/80	4,196,281	Hearst et al.		TECH	CENTER 1600/2900
on	<u>9.</u>	05/13/80	4,202,775	Abe et al.			
an	- 10.	08/05/80	4,216,154	Kaufman			
our	-11.	11/25/80	4,235,781	Kaufman			
am	12.	05/05/81	4,265,280	Ammann et al.		COPY	OF PAPERS
ow	_13.	05/26/81	4,269,852	Kaufman		ORIG	NALLY FILED
an	14.	10/13/81	4,294,822	Kaufman			
gu	15.	11/03/81	4,298,614	Kaufman			
on	16.	06/28/83	4,390,619	Harmening-Pittiglio			
an	- 17.	11/01/83	4,412,835	Spencer			
an	18.	05/08/84	4,447,415	Rock et al.			
an	19 .	07/17/84	4,460,530	Hanson et al.			
gan.	20.	03/18/86	4,576,715	Michaels et al.			
an	21.	06/10/86	4,594,202	Pall et al.			
	-22.	07/28/87	4,683,195	Mullis et al.			
om	-23.	07/28/87	4,683,202	Mullis		-	
an	24.	08/04/87	4,684,521	Edelson			
an	-2 5.	09/15/87	4,693,981	Wiesehahn et al.			
on	26.	09/22/87	4,695,460	Holme			
an	27.	11/03/87	4,704,352	Miripol et al.			
an	28.	02/23/88	4,727,027	Wiesehahn et al.			
en	-2 9.	03/01/88	4,728,432	Sugiyama et al.			
9m	30.	05/31/88	4,748,120	Wiesehahn			

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PARTO 49

Docket Number: CERUS-408.11

Application Number: 10/051,976

Applicant: Derek J. Hei

(Use several sheets if necessary)

Filing Date: January 16, 2002

Group Art Unit: NYA

		U	S. PATENT DOCUMENTS	
Sen 31.	05/09/89	4,828,976	Murphy	
am 32.	05/15/90	4,925,665	Murphy	
33.	06/19/90	4,935,141	Buck et al.	
34.	09/25/90	4,959,148	Clark III	RECEIVED
35.	01/15/91	4,985,153	Kuroda et al.	MEGLIVES
am 36.	02/21/91	4,992,363	Murphy	JUN 1 9 2002
37.	07/09/91	5,030,352	Varady et al.	3011 1 1 100E
on 38.	08/06/91	5,037,857	Maroldo et al.	TECH CENTER 1600/2
an 39.	03/10/92	5,094,960	Bonomo	ILOIT OLIVICITY 1000/L
an 40.	03/31/92	5,100,564	Pall et al.	
au 41.	05/12/92	5,112,298	Prince et al.	
av 42.	07/07/92	5,128,048	Stewart et al.	COPY OF PAPERS ORIGINALLY FILED
an 43.	08/11/92	5,137,926	Maroldo et al.	UNIGHVALETTIELD
Jun 44.	09/15/92	5,147,290	Jonsson	
Our 45.	03/02/93	5,190,657	Heagle et al.	
av 46.	08/10/93	5,234,608	Duff	
av 47.	12/14/93	5,269,917	Stankowski	
an 48.	01/18/94	5,279,742	Markell et al.	
ow 49.	02/22/94	5,288,605	Lin et al.	
ar 50.	07/12/94	5,328,758	Markell et al.	
em 51.	10/11/94	5,354,262	Boehringer et al.	
52.	03/21/95	5,399,719	Wollowitz et al.	
53.	04/18/95	5,407,581	Onodera et al.	
om 54.	05/23/95	5,418,130	Platz et al.	
Our 55.	06/06/95	5,421,812	Langley et al.	
on 56.	10/10/95	5,456,845	Nishimura et al.	
on 57.	10/17/95	5,459,030	Lin et al.	
Ser 58.	11/21/95	5,468,536	Whitcomb et al.	
an 59.	01/09/96	5,482,828	Lin et al.	
60	01/23/96	5,486,293	Boschetti et al.	
61.	01/23/96	5,486,410	Groeger	
an 62.	02/27/96	5,494,592	Latham, Jr. et al.	

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For PTO-14: Docket Number: CERUS-408.11 Application Number: 10/051,976

INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)

Filing Date: January 16, 2002 Group Art Unit: NYA

			U.S. I	PATENT DOCUMENTS				
ow	63.	03/12/96	5,498,520	Chapman				
an	64.	03/26/96	5,501,795	Pall et al.		COPY O	PAPERS	
an	65	04/02/96	5,504,163	Tegen et al.			LLY FILED	
	66.	07/02/96	5,531,902	Gallup				-
an	67.	08/06/96	5,543,062	Nishimura				
om	68.	09/17/96	5,556,541	Ruschke		DE	CEIVE	<u>:</u> D
an	69.	09/24/96	5,559,250	Cook et al.		ME	OF14.	
our	70.	11/05/96	5,571,666	Floyd et al.		11.1	v 1 9 20	n2
an	71.	01/14/97	5,593,823	Wollowitz et al.				
an	72.	02/22/94	5,605,746	Groeger			ENTER 16	nn/2900
on	73.	03/04/97	5,607,766	Berger		1EUN C	CIAITI	/ ////
ar	<u>7</u> 4.	04/01/97	5,616,254	Pall et al.				
on	75.	06/17/97	5,639,376	Lee et al.				
ons	76.	08/26/97	5,660,731	Piechocki et al.	11111111111111			
9m	77.	09/02/97	5,662,728	Groeger				
ann	78.	06/30/98	5,773,384	Davankov et al.				
an	7 9.	10/06/98	5,817,354	Mozaffar et al.				
an	80.	03/16/99	5,883,256	Schuler et al.				
an	81.	05/08/01	6,228,995	Lee				
an	82.	11/20/01	6,319,662	Foley et al.				
			INTERNATIO	ONAL PATENT DOCUME	NTS	•		
Examiner Initials	Ref. No.	Date	Document No.	Country	Class	Subclass	Transl YES	ation NO
Om	83.	10/11/91	03-229610	Japan			Partial	
ow	84.	12/14/89	3819000	Germany			Partial	i
gur	85.	12/09/87	62-283198	Japan	-		Partial	
on	86.	04/04/91	WO 91/03933	PCT	_			
com	87.	12/08/94	WO 94/27433	PCT				
an	88.	01/05/95	WO 95/00631	PCT				
am	89.	07/13/95	WO 95/18665	PCT				

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Examiner	Ref.No.	Title
Intitials	100	C10(1) NoviC via and include the HC Food & Front Administration Applied Co. Led Tolor
0	90.	510(k) Notification submitted to the U.S. Food & Drug Administration, Asahi Medical Co., Ltd., Tokyo,
	-01	Japan (12/5/88).
	91.	Adams, et al., "The Pechmann Reaction," Organic Reactions Vol. VII Chapter 1, Wiley, NY (1953).
en	92.	Alter, et al., "Photochemical Decontamination of Blood Components Containing Hepatitis B and Non-A, Non-B Virus," The Lancet (ii:1446-1450) (1988).
	93.	Alter et al. "How frequent is posttransfusion hepatitis after the introduction of 3 rd generation donor screening
a	124.	for hepatitis B? What is probable nature?" Int'l. Forum: Vox Sang 32:346-363 (1977)
	94.	Andrade, J.D., et al., "Coated adsorbents for direct blood perfusion: Hema/activated carbon", Vol. XVII
ou		Trans. Amer. Soc. Artf. Int. Organs pp. 222-228 (1971).
	95.	Artuc et al. "Reversible binding of 5- and 8-methoxypsoralen to human serum proteins (albumin) and to
av		epidermis in vitro" Brit. J. Derm. 101:669-677 (1979)
	96.	Belogurov and Zavil'gel'skii "Mechanism of the inactivation of the photosensitizer 8-methoxypsoralen on
an	4	bacteria and bacteriophages" Sovgenet 14:219-223 (1978)
	97.	Bender, et al., "Psoralen Synthesis Improvements in Furan Ring Formation. Application to the Systhesis of
9		4,5',8-Trimethylpsoralen, "J. Org. Chem. 44:2176-2180 (1979).
	98.	Bertolini, F. et al., "Platelet concentrates stored in synthetic medium after filtration," Vox Sang 67:82-86
9	†	(1992)
	99.	Bertolini, F., et al., "Platelet Quality After 15-day Storage of Platelet Concentrates Prepared from Buffy
		Coats and Stored in a Glucose-Free Crystalloid Medium," Transfusion 32:9-16 (1992).
0	100.	Bock, M., et al., "White cell depletion of single-donor platelet preparations by a new adsorption filter,"
		Transfusion 31:333-334 (1991).
-11 -	101.	Bogusz M. et al. "Isolation of drugs from blood and tissues with XAD-2 bags" Forensic Sci. Int'l. 12:73-82
		(1978)
2	102.	Boomgaard, M.N. et al., "In vitro evaluation of platelet concentrates, prepared from pooled buffy coats,
		stored for 8 days after filtration", Transfusion 34:311-316 (1994).
~	103.	Bordin et al. "DNA repair and recovery in escherichia coli after psoralen and angelicin photosensitization"
900	<u>† </u>	Biochimica et Biophysica Acta 447: 249-259 (1976)
0	104.	Brettell T.A., and Saferstein, R., "Forensic science" Anal. Chem., 59:162-174 (1987).
0	105.	Carmen R. "The selection of plastic materials for blood bags" Trnas. Med. Rev. 7:1 1-10 (1993)
	106.	Chandy, T., and Sharma, C.P., "Polylysine-immoblilized chitosan beads as adsorbents for bilitubin,"
	<u></u>	Artificial Organs 16:568-576 (1992).
MIL	107-	Cimino et al., "Psoralens as Photoactive Probes of Nucleic Acid Structure and Function: Organic Chemistry,
09		Photochemistry, and Biochemistry, Ann. Rev. Biochem. 54:1151-1193 (1985).
en	108.	Coli et al. "Phosphate removal by resin hemoperfusion efficacy and biocompatibility of a new exchange"
	1.00	Biomat, Art Cells & Immob. Biotech. 20:1153-1163 (1992)
0	109.	Courtney, J.M., et al., "Monitoring of the blood response in blood purification," Artificial Organs 17:260-
<u> </u>	110	266 (1993).
	110.	Davankov, V.A., and Tsyurupa, M.P., "Structure and properties of hypercrosslinked polystyrene-the first
2	—	representative of a new class of polymer networks," <i>Reactive Polymers</i> 13 Elsevier Science Pub. B.V.,
	1	Amsterdam pp. 27-42 (1990).

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Form PTO-1449

Docket Number: CERUS-408.11

Application Number: 10/051,976

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Applicant: Derek J. Hei

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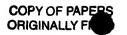
Group Art Unit: NYA

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		OTHER DOCUMENTS (including author, title, Date Pertinent Pages, etc.)
Examiner Intitials	Ref.No.	Title
On .	111.	Dodd et al. (1991) "Inactivation of Viruses in Platelet Suspensions that Retain Their In Vitro Characteristics: Comparison of Psoralen-ultraviolet A and Merocyanine 540 Visible Light Methods," Transfusion 31:483-490
an	112.	Dunlop, E.H. and Williams, R., "Physico-chemical aspects of the removal of protein-bound substances by charcoal and other adsorbents of potential value in systems of artificial liver support: Part 2- Kinetics of removal," Med. & Biol. Eng. & Comput., 16:350-362 (1978).
a	113.	Dunlop, E.H., and Williams, R., "Physico-chemical aspects of the removal of protein-bound substances by charcoal and other adsorbents of potential value in systems of artificial liver support: Part I - Equilibrium properties," Med. & Biol. Eng. & Comput., 16:343-49(1978).
on	114.	Durst, T., "Dimethylsulfoxide (DMSO) in Organic Synthesis," Adv. Org. Chem. 6:352-353 (1969).
0	115.	Dvilansky et al. "Evaluation of a new polyacrolein microsphere (acrobead) protein A column: An in vitro study using the blood of patients with immune thrombocytopenia or malignancies" Transfusion 32:210-214 (1992)
9	116.	Faenza et al. "Hemoperfusion with a new anion exchange resin corrects the metabolic alkalosis in pyloric stenosis: An experimental demonstration" Int'l. J. Art. Organs 15:677-680 (1992)
an	117.	Fini M. et al. "In vitro evaluation of heparin adsorption during haemoperfusion with Dowex 1x2 anion exchange resin" Art. Cells. Blood Subs. And Immob Biotech 23:1 101-108 (1995)
am	118.	Fujita and Kakishima "Photobiological activities of 5-alkoxypsoralens with respect to the action on Escherichia coli" Photochem and Photobio. 43:2 221-224 (1986)
2-	119.	Goldenberg, M., et al., "Synthesis and Properties of Novel Psoralen Derivatives," Biochemistry 27:6971-6976 (1988).
an	120.	Goodrich R.P. et al. "Selective inactivation of viruses in the presence of human platelets: UV sensitization with psoralen derivatives" Proc. Nat'l. Acad. Sci. USA 91:5552-5556 (1994)
9	121.	Hanson (1992) "Photochemical Inactivation of Viruses with Psoralens: An Overview," Blood Cells: 18:7-25
9	122.	Hanson, C.V., et al., "Application of a Rapid Microplaque assay for Determination of Human Immunodeficiency Virus Neutralizing Antibody Titers," J. Clin, Micro 28:2030 (1990).
gu-	123.	Hass and Webb "8-methoxypsoralen effects on survival and repair of Escherichica coli after ultraviolet irradiation: Action spectra" Radiation Research 80 170-185 (1979)
on	124.	Hearst, et al., "The reaction of the psoralens with deoxyribonucleic acid", Quart. Rev. Biophys. 17:1-44 (1984).
2	<u>-12</u> 5.	Hearst, J.E., and Thiry, L., "The photoinactivation of an RNA animal virus, vesicular stomatitis virus, with the aid of newly synthesized psoralen derivatives," Nucleic Acids Research, 4:1339-1347 (1977).
gr	126.	Hei, D.J., et al., "Removal of cytokines from HSA-containing solutions by adsorption onto silica," Biotech. Bioeng., 44:1023-1030 (1994).
an	127.	Heinmets et al. "Inactivation of viruses in plasma by photosensitized oxidation" Joint report with the Naval Medical Res. Institute, Walter Reed Army Institute of Research 53-55 pp. 1-16 (1955)
ow	-12 8.	Hilfenhaus, J., et al., "A strategy for testing established human plasma protein manufacturing procedures for their ability to inactivate or eliminate human immunodeficiency virus," J. Biol. Std. 15:251-263 (1987).
gu	-12 9.	Horowitz, B., et al., "Inactivation of viruses in labile blood derivatives," Transfusion 25:516-522 (1985).
21	130.	Hughes, R., et al. "Albumin-coated amberlite XAD-7 resin for hemoperfusion in acute liver failure Part II: In vivo evaluation Artifical Organs (1979):3(1):23-26.

EXAMINER:	OCH	Ma	DATE CONSIDERED	E/19/23



PTO/SB/08 (2-92) Sheet 6 of 9

Form PTO-1449 Application Number: 10/051,976 Docket Number: CERUS-408.11 RECEIVED INFORMATION DISCUSURE TATION Applicant: Derek J. Hei IN AN APPLICATION Group Art Unit: NYA JUN 1 9 2002 Filing Date: January 16, 2002 (Use several sheets if necessary)

TECH CENTER 1600/2900

	OTHER DOCUMENTS (including author, title, Date Pertinent Pages, etc.)
131.	Hyde and Hearst, "Binding of Psoralen Derivatives to DNA and Chromatin: Influence of the Ionic
	Environment on Dark Binding and Photoreactivity," Biochemistry 17:1251-1252 (1978).
132.	Ibrahim, G., et al., "Application of Amerlite XAD-2 resin for general toxicological analysis," J. Chrom.,
	108:107-116 (1975).
133.	Isaacs, et al., "A Photochemical Characterization of Reactions of Psoralen Derivatives with DNA, "Trends in
	Photobiology (Plenum) pp. 279-294 (1982).
134.	Isaacs, et al., "Synthesis and Characterization of New Psoralen Derivatives with Superior Photoreactivity
~~	with DNA and RNA," Biochemistry 16:1058 -1064 (1977).
135.	Isaacs, et al., "Synthesis of Deuterium and Tritium Labeled Psoralens," J. Labelled Cmpds. Radiopharm., 19,
	345-356 (1982).
2 _ 136.	Ishihara, K., et al., "Selective adhesion of platelets on a polyion complex composed of phospholipid polymer
201	containing sulfonate groups and quartenary ammonium groups," J.Biomed. Mat. Res., 28:1347-1355 (1994).
137.	Joustra-Dijkhuis, A.M., "Effect of filtration on subsequently stored platelet concentrates,: Vox Sang 67:22-
	27 (1994)
138.	Kao, K.J., et al., "White cell reduction in platelet concentrates and packed red cells by filtration: a
1	multicenter clinical trial," Transfusion 35:13-19 (1995).
139.	Kaufman, et al., "Reactions of Furocoumarins. II(1). Synthetic Aminomethyl Psoralens via
991	Chloromethylation of Benzylic Bromination," J. Heterocyclic Chem. 19:1051 (1982).
140.	Kiremitci & Piskin "Properties of new sorbents containing activated carbon-PHEMA-PEG" Int'l. J. of Art.
Qu 140.	Org. 8:4 201-208 (1985)
141.	Kril and Fung, "Influence of hydrophobicity on the Ion exchange selectivity coefficients for aromatic
30	amines" J. Pharm Sci., 79:440-443 (1990)
142.	Larock, R.C., Comprehensive Organic Transformation, (VCH Publishers, New York) 5-43 (1989).
143.	Lee, B.L., et al., "Interaction of Psoralen-Derivatized Oligodeoxyrionucleoside Methylphosphonates with
P 13	Single-Stranded DNA," Biochemistry, 27:3197-3203 (1988).
144.	Lee, C.J., and Hsu, S.T., "Preparation of spherical encapsulation of activated carbons and their adsorption
5	capacity of typical uremic toxins," J. Biomed. Mat. Res., 24:243-258 (1990).
145.	Lin, et al., "Use of 8-Methoxypsoralen and Long-Wavelength Ultraviolet Radiation for Decontamination of
	Platelet Concentrates," Blood 74:517-525 (1989).
146.	Lunn, G., et al., "Removal of biological stains from aqueous solution using a flow-through decontamination
au _	procedure", Biotech. & Histochem Vol. 69 No. 1 pp. 45-54 (1994).
147.	MacLeod et al., "Synthesis of Benzofuranoid Systems. I. Furocoumarins, Benzofurans and Dibenzofurans,"
	Tetrahedron Letters 237-240 (1972).
148.	Margolis-Nunno, et al., "Photochemical Virus Sterilization in Platelet Concentrates with Psoralen
	Derivatives," Thromb Haemostas 65:1162 (Abstract) (1991).
149.	Margolis-Nunno, H., et al., "Elimination of potential mutagenicity in platelet concentrates that are virally
	inactivated with psoralens and ultraviolet A light", Transfusion 35:855-62 (1995)
150.	Maron D.M. and B.N. Ames, "Revised methods for the Salmonella mutagenicity test," Mutation Research,
97	113:173-210 (1983).
151.	Matsuda, K., et al., "Experimental study on the adsorption of excess heparin with anion exchange resin fiber,
7	Artificial Organs 13:504-507 (1989).
Om 152.	Matthews, J.L., et al., "Photodynamic therapy of viral contaminants with potential for blood banking
	applications," Transfusion 28:81-83 (1988).
	DATE CONSIDERED:
EXAMINER: (W. My 6/10/02

conformance and not considered. Include a copy of this form with next communication to applicant.



PTO/SB/08 (2-92) Sheet 7 of 9

Form PTO-1449 INFORMATION DISCLAPIA IN AN APPLICATION Docket Number: CERUS-408.11

Application Number: 10/051 97

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Applicant: Derek J. Hei

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Group Art Unit: NYA

		TECH CENTER 16
	· · · · · · · · · · · · · · · · · · ·	OTHER DOCUMENTS (Including author, title, Date Pertinent Pages, etc.)
	153.	Metzelaar, M.J., "A comparative study on the use of platelet membrane markers for the detection of platelet
		activation in vitro and in clinical disorders", Studies on the Expression of Activation-Markers on Human
	1	Platelets (Thesis) (1961).
12	154.	Morel, et al., "Photochemical Inactivation of Viruses and Bacteriophage in Plasma and Plasma Fractions,"
GP C	1	Blood Cells 18:27-42 (1992).
1	155.	Moroff et al. (1992) "Factors influencing virus inactivation and retention of platelet properties following
	<u> </u>	treatment with aminomethyltrimethylpsoralen and ultraviolet A light" 18:43-56.
0	156.	Moroff, G., et al. "Factors influencing changes in pH during storage of platelet concentrates at 20-24_C",
~	P	Vox Sang 42:33-45 (1982).
	157.	Moroff, G., et al., "The influence of irradiation on stored platelets," Transfusion 26:453-456 (1986).
9	15 8.	Morrow, J.F., et al., "Septic Reactions to Platelet Transfusions," JAMA 266:555-558 (1991).
	159.	Murphy, S., et al., "In vitro assessment of the quality of stored platelet concentrates", Transfusion Med. Rev.
<u> </u>	<u> </u>	VIII (1):29-36 (1994)
	160 .	Murugavel, S., "In vitro studies of the efficacy of reversed phase silica gel as a sorbent for hemo- and
	<u> </u>	plasmaperfusion" Clin. Tox. 30:69 (1992).
0 -	161.	Nathan et al. "A novel agarose acrobeads protein A column for selective immunoadsorbance of whole blood:
20)		Performance, specifiticity and safety" Biomat. Art. Cells & Immob. Biotech 20:23-30 (1992)
211	162.	Nolan. A.P., et al., "Endotoxin binding by charged and uncharged resins (38895), " Proc. Soc. Exp. Biol. &
90-		Med., 149:766-770 (1979).
21.1	163.	North, J., et al., "Photodynamic inactivation of retrovirus by benzoporphyrin derivative: a feline leukemia
my		virus model," Transfusion 32:121-128 (1992).
	164.	Olah, ed., Friedel-Crafts and Related Reactions, Vol. II, Part 2, Interscience, NY, p. 749 (1964).
	165.	Olah and Kuhn, "Selective Friedel-Crafts Reactions. I. Boran Halide Catalyzed Haloalkylation of Benzene
2	<u> </u>	and Alkylbenzenes with Flurohaloalkanes," J. Org. Chem. 29:2317-2321 (1964).
g-	166.	Pardue, K.J., and Merrill, D.J., "Literature applications for Amberlite®/Duolite® Anion exchange resins,
	ļ. <u></u>	literature survey, 1987-1991, p.1-b 48, Supelco, Inc. (1992).
2	167.	Pegues et al. "The removal of 13C labeled endotoxin by activated charcoal" Intl. J. Art. Organs 2:153-158
		(1979)
~ ^	168.	Prince, A.M., et al., "B-Propiolactone/Ultraviolet Irradiation: A review of Its Effectiveness for Inactivation of
~~~		Viruses in Blood Derivatives," Reviews of Infect. Diseases 5:92-107 (1983).
-111	169.	Proudouz, K.N., et al., "Use of Laser U-V for Inactivation of Virus in Blood Platelets," Blood 70:589-592
m		(1987).
2 ~	170.	Purolite Technical Bulletin entitled "Hypersol-Macronet™ Sorbent Resins," The Purolyte Co. (PA), pp. 1-11
		(1995)
~ .	171.	Rai S. et al. "Dramatic improvements in viral inactivation with brominated psoralens, naphthalenes and
an		anthracenes" Photochem. And Photobio. 58 59-65 (1993)
<u> </u>	172.	Rodriquez, F., Principles of Polymer Systems, Hemisphere Publishing Corp., pp. 449-53 (3rd ed. 1989).
<b>⋑</b>	173.	Rosenbaum, J., et al. "Resin hemoperfusion for acute drug intoxication. Arch Intern Med 1976; 136:263-
		266.
2	174.	Rywkin, S., et al., "In Vivo Circulatory Survival of Photochemically Treated Rabbit Red Blood Cells with
		Aluminum Phthalocyanine Derivatives," Blood 78(Suppl 1): 352A (Abstract) (1991).
201	175.	Schmidt et al. "Ion-exchange preconcentration and group separation of ionic an neutral organic compounds"
	<del> </del>	J. Chromatog. 640:145-149 (1993)

			and the second s
EXAMINER:	90	M. M	DATE CONSIDERED:



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Form PTO-1449

INFORMATION DISCUSSIVE CITATION
IN AN APPLICATION
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Docket Number: CERUS-408.11

Application Number: 10/051,976

Applicant: Derek J. Hei

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		IECH CENIER 16
·		OTHER DOCUMENTS (including author, title, Date Pertinent Pages, etc.)
3	176.	Schmunis, G.A., "Trypanosoma cruzi, the etiologic agent of Chagas' disease: status in the blood supply in
00		endemic and nonendemic countries," Transfusion 31:547-557 (1992).
<b>—</b>	177.	Sergeyev, V.P., et al., "Comparative evaluation of the structure and properties of certain granulated and
00		fibrous activated carboniferous sorbents," Biomart., Art, Cells, Art. Org., 17:353-361 (1989).
	178.	Shimazaki K. "Changes of pore and adorption capacity of polyacrylonitrile-based activated carbon fiber
on		(PAN-ACF) in activation" Nippon Kagaku Kaishi 1:54-61 (1993)
<u> </u>	179.	Shimizu, T. et al., "Filtration through a polyester white cell-reduction filter of plasma-poor platelet
		concentrates prepared with an acetate-containing additive solution," Transfusion 33:730-734 (1993)
	180.	Shimizu, T., et al., "Adsorption of anaphylatoxins and platelet-specific proteins by filtration of platelet
		concentrates with a polyester leukocyte reduction filter," Vox Sang 66:161-165 (1994).
9		OTHER DOCUMENTS (including author, title, Date Pertinent Pages, etc.)
	<u>18</u> 1.	Sieber, F., et al., "Invitation of Friend Erythroleukemia Virus and Friend Virus Transformed Cells by
on		Merocyanine 540-Mediated Photosensitization," Blood 73:345-350 (1989).
	182.	Sintov, A., et al. "Cross-linked chondroitin sulphate: characterization for drug delivery purposes",
av	-	Biomaterials Vol. 16 No. 6 pp. 473-478 (1995).
01	183.	Snezhkova et al. "DNA-coated carbon adsorbents experimental assessment and results of severe psoriasis
		treatment" Biomat. Art Cells & Immob. Biotech 20:1201-1221 (1992)
	184.	Stack and Snyder, "Storage of platelet concentrate," Blood Separation and Platelet Fractionation (Wiley-
90		Liss, Inc.) pp. 99-125.
01110	185.	Sun and Fritz "Chemically modified polymeric resins for high-performance liquid chromatography" J.
sem		Chrom. 522:95-105 (1990)
01	186.	Sweeney, J.D., et al., "White cell-reduced platelet concentrates prepared by in-line filtration of platelet-rich
		plasma," Transfusion 35:131-136 (1995).
an	187.	Tang et al. "Free and glycosidically bound volatile compounds in fresh celery (Apium graveolens L.)" J. Agr.
		Food Chem. 38:1937-1940 (1990)
<b>B</b>	188.	Tessman, et al., "Photochemistry of the Furan-Side 8-Methoxypsoralen-Thymide Monoadduct Inside the
5		DNA Helix. conversion to Diadduct and to Pyrone-Side Monoadduct," Biochem. 24:1669-1676 (1985).
	189.	Thompson, et al., "Dependence of 4'-(Hydroxymethyl)-4,5',8-trimethylpsoralen Photoaddition on the
9		Conformation of Ribonucleic Acid," Biochemistry 21:1363-1368 (1982).
$\sim$	190.	Thompson, et al., J. Mol. Biol., "Determination of the Secondary Structure of Drosophila Melanogaster 5 S
9		RNA by Hydroxymethyltrimethylpsoralen Crosslinking," 147:417-436 (1981).
	191.	Tishler & Winston "Sorbent therapy of the porphyrias III. Comparative efficacy of experimental plasma
on		perfusion with several commercial hemoperfusion cartridges" Meth. & Find Exptl. Clin. Pharmacol 6:7 389-
~		393 (1984)
	192.	Ton et al. "Albumin-coated amberlite XAD-7 resin for hemoperfusion in acute liver failure – Part I:
		Adsorption studies" Artificial Organs 3:20-22 (1979)
	193.	Tsyurupa, M.P. et al., "Sorption of organic compounds from aqueous media by hypercrosslinked polystyrene
7		sorbents 'Styrosorb'", Reactive Polymers 25:69-78 (1995)
70 . TI	194.	Valeri Capt. C.R. et al. "Freeze-preserved baboon red blood cells: effects of biochemical modification and
200		perfusion in vitro", Am J Vet Res, 42:1590-1594 (1981).
$\sim 1$	195.	Valerio, F., et al. "Adsorption properties of U.I.C.C. Rhodesian chrysotile and crocidolite in aqueous solution
~ ~ ~	_	- effects of cation depletion", AIHA Journal (40) pp. 781-788 (1979).

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EXAMINER:	D1	) eli	(1)	DATE CONSIDERED:

PTO/SB/08 (2-92) Sheet 9 of 9

Form PTO-1449	Docket Number: CERUS-408.11	Application Number: 10/051,976
INFORMATION DISCLOSURE CITATION IN AN APPLICATION	Applicant: Derek J. Hei	
(Use several sheets if necessary)	Filing Date: January 16, 2002	Group Art Unit: NYA

		OTHER DOCUMENTS (including author, title, Date Pertinent Pages, etc.)
91	196.	van Marwijk, M. et al., "Filtration: A method to prepare white cell-poor platelet concentrates with optimal preservation of platelet viability," Transfusion 30:34-38 (1990).
a	197.	Verhoeven, M., et al., "A first screening for hemocompatibility of a universal support for selective and specific hemoperfusion," Intl. J. Artificial Organs 12:63-67 (1989).
on	198.	Wadenvik, H., et al., "Leukocyte removal filtration of platelet concentrates. A study of platelet loss using inlabeled platelets and dynamic gamma camera scintigraphy," Eur. J. Haematol., 47:192-96 (1991).
ar	199	Ward, J.W., et al., "Transmission of Human Immunodeficiency Virus (HIV) by Blood Transfusions Screened as Negative for HIV Antibody," N. Engl. J. Med., 318:473-478 (1988).
	200.	Webb, D., "Charcoal haemoperfusion in drug intoxication," British J. of Hosp. Med. 49(7)493-496.
gu	201.	Yoshioka, T. and Shimamura, M. "Studies of polystyrene-based Ion exchange fiber. I The preparation and fundamental characteristics of polystyrene-based Ion exchange fiber", The Chem. Soc. of Japan Vol. 56, No. 12 pp. 3726-3729 (1983)

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